

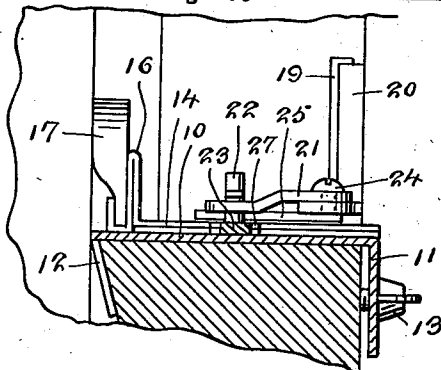
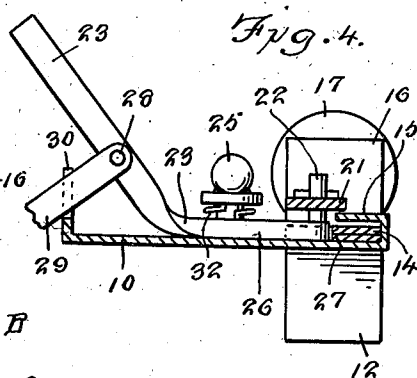
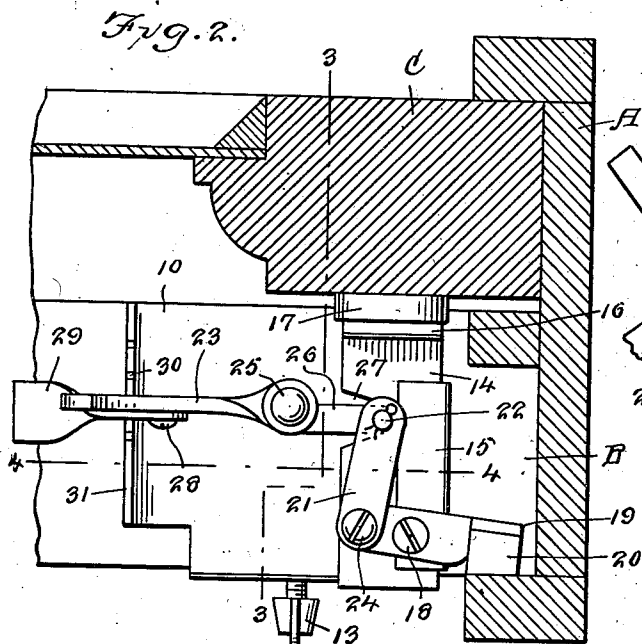
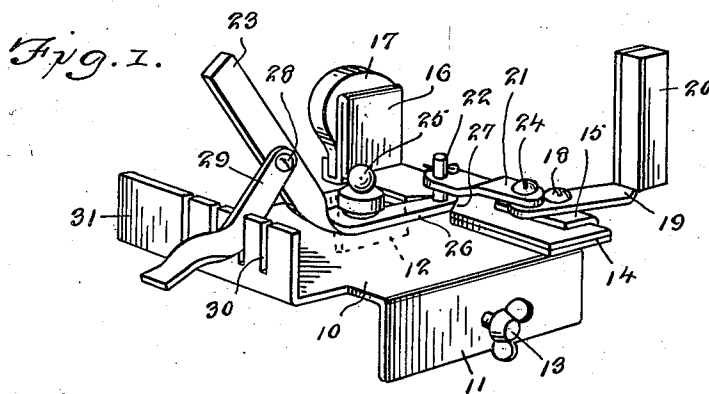
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WINDOW FASTENER

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WINDOW FASTENER

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2 Claims. (Cl. 292—7)

The invention relates to a window fastener and more especially to a combined sash holder and release device.

The primary object of the invention is the provision of a device of this character, wherein the construction thereof allows the mounting of the same upon the sash of the window so that both sashes within the window frame can be latched that neither can be raised or lowered when so fastened.

Another object of the invention is the provision of a device of this character, wherein the construction thereof is novel in form so that both sashes within the window frame can be held tight against movement and also will obviate rattling of the sashes due to wind currents or building vibration.

A further object of the invention is the provision of a sash of this character, which is simple in construction, thoroughly reliable and efficient in its operation, readily and easily applied to and removed from a window sash, strong, durable, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawing, which discloses the preferred embodiment of the invention and pointed out in the claims hereunto appended.

In the accompanying drawing:

Figure 1 is a perspective view of the device constructed in accordance with the invention.

Figure 2 is a fragmentary horizontal sectional view through a window showing the device in top plan applied thereto.

Figure 3 is a fragmentary sectional view on the line 3—3 of Figure 2.

Figure 4 is a fragmentary sectional view on the line 4—4 of Figure 2.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, A designates generally a portion of a window frame or casement, B a portion of the lower sash and C a portion of the upper sash, these being conventional and are slidable in the frame A as usual.

Adapted to be separably attached to the top meeting rail of the lower sash B is the device constituting the present invention and comprising a base plate 10 formed at opposite side edges with clamping flanges 11 and 12, respectively, the latter flange being slightly inclined in con-

formity with the inclined face of the meeting rail of the lower sash B while adjustably fitted in the flange 11 is a binding screw 13 so that the base plate 10 can be clamped upon the said meeting rail of the lower sash B as is clearly shown in Figures 2 and 3 of the drawing.

Slidable upon the base plate 10 is a throw bolt 14 operating in a guide 15 formed on said base plate 10. This bolt has bent therefrom a jaw 16 in which is fastened a holding head 17 adapted for engagement with the vertical side rail of the upper sash C when the bolt 14 is thrown in one direction for the latching of said upper sash.

On the guide 15 is a pivot 18 swingingly mounting a movable jaw 19 carrying a holding head 20. This jaw 19 has pivoted thereto a throw link 21, it being also pivoted as at 22 to an operating lever 23, the pivot connecting the link 21 with the jaw 19 being indicated at 24. The lever 23 is supported for rocking movement upon a pivot stud 25 carried by the base plate 10. The lever 23 at the handle end thereof is preferably up-turned for convenience in manipulation thereof and such lever at the end 26 engages in a fulcrum notch 27 provided in the bolt 14. Thus when the lever 23 is operated both jaws will be shifted simultaneously, one being adapted to engage the window frame and the other the sash C as is clearly shown in Figure 2 of the drawing. In this manner both sashes B and C will be latched in the window frame A against sliding movements.

Pivoted upon the handle end of the lever 23 as at 28 is a latching trigger 29 selectively engageable in any one of a series of slots 30 provided in a keeper rack 31 bent upwardly from the base plate 10 and in this manner the lever 23 is locked in its thrown position or in a position for releasing the jaws from engagement with the window frame and the said sash.

Upon the pivot stud 25 is a tensioning washer 32 coacting with the lever 23 to hold the said lever in proper working relation with respect to the bolt 14.

It is preferable to have the heads 17 and 20 made from material that will not mar or mark the finish to the frame and the sash of the window.

The trigger 29 is manually operated for latching and unlatching of the lever 23.

The lever 23 and the trigger 29 are readily accessible above the meeting rail of the lower sash B as will be apparent from Figures 1 and 4 of the drawing.

What is claimed, is:

1. A device of the character described comprising a base plate, means for securing the base plate to a window sash at its meeting rail
5 with another window sash, a guide at one end of the base plate, a throw bolt adapted to have sliding movement on the base plate and in the guide and having a fulcrum notch therein, a jaw fixed to said bolt, a holding head carried by said
10 jaw, a movable jaw pivoted to said guide, a holding head carried by said movable jaw, an operating lever pivoted to the base plate and received by the fulcrum notch in the throw bolt, a throw link pivoted to said lever and movable
15 jaw, and means for latching the lever in adjusted position.

2. A device of the character described comprising a base plate, means for securing the base plate to a window sash at its meeting rail with another window sash, a throw bolt adapted to have sliding movement on the base plate into and
5 out of engagement with the other sash and having a fulcrum notch therein, a movable jaw pivoted to the base plate and adapted to be moved into and out of engagement with the window
10 frame, an operating lever pivoted to said base plate and received by said fulcrum notch in the throw bolt, and a throw link pivoted to said lever and movable jaw.

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